

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-6 (canceled)

7. (currently amended) A nonaqueous electrolyte secondary battery comprising:
a positive electrode comprising a first positive electrode layer, a second positive electrode layer and a positive electrode collector disposed between the first positive electrode layer and the second positive electrode layer;
a negative electrode comprising a binder and an active material, the binder comprising a mixture of a fluorine polymer and an aromatic vinyl-conjugate diene polymer, the active material comprising a carbonaceous material wherein the binder comprises a weight mixture ratio of the fluorine polymer to the aromatic vinyl-conjugate diene polymer that ranges from about 1 to about 99 and wherein the mixture of the fluorine polymer and the aromatic vinyl-conjugate diene polymer of the binder comprises from ~~about 2-10~~ weight percent to about 15 weight percent of a total weight of the negative electrode, and wherein the negative electrode comprises a first negative electrode layer, a second negative electrode layer and a negative electrode collector disposed between the first negative electrode layer and the second negative electrode layer; and
a separator disposed between the positive electrode and the negative electrode so as to form a laminate structure wherein the laminate structure is wound a plurality of times around a center portion of the nonaqueous secondary electrolyte battery.
8. (previously amended) The nonaqueous electrolyte secondary battery of claim 7, wherein the fluorine polymer comprises at least one material selected from the group consisting of polyvinylidene fluoride, polytetrafluoroethylene and fluorine rubber.
9. (previously added) The nonaqueous electrolyte secondary battery of claim 7 wherein the aromatic vinyl-conjugate diene polymer comprises styrene-butadiene latex.

10-11 (canceled)

12. (previously amended) The nonaqueous electrolyte secondary battery of claim 7 wherein the binder comprises a cellulose derivative as a viscosity thickening agent.

13. (previously added) A nonaqueous electrolyte secondary battery according to claim 12, wherein a ratio of said cellulose derivative with respect to total weight of said negative electrode is not less than 0.1 wt% nor more than 5 wt%.

14. (previously added) A nonaqueous electrolyte secondary battery according to claim 7, wherein said carbonaceous material is a non-graphitizing carbon material.

15. (previously added) A nonaqueous secondary battery according to claim 7, wherein said carbonaceous material is graphite.

16. (previously amended) A nonaqueous electrolyte secondary battery according to claim 7, wherein Li_xMO_2 is contained as an active material for said positive electrode where M is one or more types of transition metals and $0.05 \leq x \leq 1.10$.

17. (newly added) The nonaqueous electrolyte secondary battery according to claim 7, wherein the weight mixture ratio of the fluorine polymer to the aromatic vinyl-conjugate diene polymer ranges from about 8.0:2.0 to about 5.0:5.0.

18. (newly added) The nonaqueous electrolyte secondary battery according to claim 17, wherein the weight mixture ratio of the fluorine polymer to the aromatic vinyl-conjugate diene polymer is about 5.0:5.0.
